

PATENT

Attorney Docket No. WANGP005

information into the printer.

25. The method of claim 22, wherein:
the step of establishing a connection between the portable electronic authorization device and the printer is via infrared.

26. The method of claim 22, wherein:
the step of establishing a connection between the portable electronic authorization device and the printer is via short range RF.

REMARKS

Claims 1-26 are pending. Claims 5, 6, 12 and 17 are canceled. Claims 1-4, 7-11, 13-14 and 18 are amended. Claims 15-16 and 19-26 are unamended.

In his 11/22/02 office action, the Examiner rejected claims 1-6 under 35 USC § 103(a) over Curry et al. (U.S. 5,805,702A) in view of Hoffman et al. (U.S. 5,613,012A); rejected claims 7-12 under 35 USC § 103 (a) over the same two references; rejected claims 13-16 under 35 USC § 103 (a) over same two references; rejected claims 17 under 35 USC § 103(a) over the same two references; and finally rejected claims 18-26 under 35 USC § 103(a) over the same two references.

Referring first to the rejection of claims 1-6, claim 1 has been amended to limit the claim to a transaction system running xAgent, and has been further limited to the transaction system pushing a transaction request to a portable electronic authorization device upon the occurrence of a predetermined event. Claim 2, dependent from claim 1, has been limited to the circumstance where the predetermined event is a stock price rise above or fall below a predetermined percentage. Claim 3, dependent from claim 1, has been limited to the circumstance where the predetermined event is the auction bidding price rising above a user-defined price. Claim 4, dependent from claim 1, has been limited to the circumstance where the predetermined event is to receipt of a delivery. Claims 5 and 6 have been canceled.

Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

Neither Curry et al. nor Hoffman et al. disclose how to push a transaction request from a remote transaction system running xAgent triggered by a user-defined event such as a stock prices rising above a falling below a certain percentage, or auction bidding price or, or upon the receiving a delivery.

Turning next to the rejection of claims 7-12, the claim has been limited to a portable electronic authorization device for use with a point-of-sale system that has a scanner configured to scan at least barcode or OCR information. Claim 8, dependent from claim 7, has been limited to the scanner being configured to scan barcode information in order to establish a communications link between the portable electronic authorization device and a Point-of-Sale terminal. Claim 9, dependent from claim 7 has been limited to the scanner being either a barcode or an OCR scanner. Claim 10, dependent from claim 7, has been limited to the transceiver being at least one of an infrared, a Bluetooth or a wireless receiver. Claim 11, dependent from claim 7, is configured to scan in bar-code product information for self-checkout. Claim 12 has been canceled.

Neither Curry et al. nor Hoffman et al. disclose a portable electronic authorization device with a barcode scanner, nor do they disclose the use of a scanner to scan barcode or OCR information in a point-of-sale checkout application.

Turning to the rejection of claims 13-16, claim 13 has been limited to running an xAgent on the portable electronic authorization device, accumulating product information, and then triggering xAgent automatic ordering upon a user predefined event. Claim 14 defines the event as one of a total order exceeding a pre-defined amount of dollars, an end of a week occurring wherein the xAgent places orders accumulated during the week, and a bargaining price set by the user being found. Claim 15 and 16, dependent from claim 13, are unamended.

Neither Curry et al. nor Hoffman et al. disclose xAgent automatic ordering upon the occurrence of a predetermined event. They further do not disclose that the event can be one of a total order exceeding a predefined number of dollars, the end of the week occurring wherein the xAgent places orders accumulated during in the week, or a bargaining price set by the user being found.

Turning next to the rejection of claim 17, claim 17 has been canceled.

Turning next to the rejection of claims 18-26, claim 18 has been limited to a method for self checkout between electronic point-of-sale transaction system and an electronic authorization device

Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

carried by user wherein there is a specific communications link established between electronic point-of-sale transaction terminal and the portable electronic authorization device. Claims 19-26 are unamended.

Neither Curry et al. or Hoffman et al. disclose how to establish a communications link between a point-of-sale terminal and an enabled cellular phone (for example). This communication is necessary in order that the point-of-sale terminal communicate transaction information to the portable electronic authorization device. See, for example, the description at specification page 29, line 5, to page 31, line 14, wherein the methodology for establishing such a link is described.

Applicants respectfully submit that the above the amendment to the claims places the application in a condition for allowance.

Respectfully submitted,

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Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

Version With Marking To Show Changes Made

1. (Once amended) A method for ~~approving~~ pushing a transaction request ~~between from an~~ remote electronic

transaction system running an XAgent and to a portable electronic authorization device carried by a user using for an electronic confirmation, comprising steps of:

pushing a transaction request from XAgent running at said an remote electronic transaction system triggered by a pre-determined event;

receiving at the portable electronic authorization device first digital data representing the transaction request;

providing information to the user regarding an ability to approve or modify the transaction request; and

when the transaction request is approved by the user, receiving at the electronic transaction system second digital data representing the electronic confirmation of the transaction request; and

wherein the receiving step is performed via a wireless communication port associated with the portable electronic authorization device.

2. (Once amended) The method of claim 1, wherein:

the electronic confirmation is encrypted by a user's private key, the pre-determined event is at least one of the stock price rises above a pre-determined percentage and the stock price falls below a pre-determined percentage.

3. (Once amended) The method of claim 1, wherein:

the electronic transaction system is a stock trading service system, the pre-determined event is the auction bidding price rises above user-defined price.

Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

4. (Once amended) The method of claim 1, wherein:

~~the electronic transaction system is a delivery service system. the pre-determined event is~~
upon received a delivery.

7. (Once amended) A portable electronic authorization device for approving a transaction request with ~~from an electronic transaction system; a point-of-sale system, comprising:~~

~~using an electronic confirmation, comprising:~~

a transceiver in the portable electronic authorization device configured to receive first digital data representing the transaction request;

a display configured to provide information to the user regarding an ability to approve or modify the transaction request; and

~~a scanner configured to scan at least one of the bar-code and/or OCR information;~~

wherein the transceiver is further configured such that when the transaction request is approved by the user, the transceiver is configured to transmit second digital data representing the electronic confirmation of the transaction request; and

~~wherein the transceiver is a wireless receiver.~~

8. (Once amended) The portable electronic authorization device of claim 7, wherein:

~~the electronic confirmation is encrypted by a user's private key. The said the scanner scans~~
is configured to scan in the a bar-code information to establish the communication link between
the portable electronic authorization device and a Point-of-Sale terminal.

9. (Once amended) The portable electronic authorization device of claim 7, wherein:

~~the electronic transaction system is a stock trading service system. The the said scanner is~~
at least one of thea barcode or an OCR scanner.

10. (Once amended) The portable electronic authorization device of claim 7, wherein:

Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

~~the electronic transaction system is a delivery service system. The transceiver said receiver is at least one of the an infrared, a Bluetooth and/or a wireless receivers.~~

11. (Once amended) The portable electronic authorization device of claim 78, wherein:

~~the electronic transaction system is an auction service system. The scanner is configured to scans in further a bar-code product information for self-checkout.~~

13. (Once amended) A method for approving a transaction request xAgent automatic ordering from between an electronic point of sale transaction system a remote merchant server and using a portable electronic authorization device carried by a user, comprising the steps of:

entering product information at the portable electronic authorization device;

accumulating the product information by the an xAgent running on the portable electronic authorization device;

triggering the xAgent automatic ordering upon user pre-defined event;

receiving at the portable electronic authorization device a first digital data representing the transaction request;

providing information to the user regarding an ability to approve the transaction request;

when the transaction request is approved by the user, encrypting transaction approval data as second digital data representing approval by the user to purchase the item; and

transmitting the second digital data to the electronic transaction system to approve the transaction request with the electronic transaction system.

14. (Once amended) The method of claim 13, wherein:

~~the step of encrypting the approval data is performed using a public key cryptography technique using at least a user's private key. Triggering the xAgent automatic ordering upon the user pre-defined event; the event can be at least one of the a total order exceeding as pre-defined amount of dollars, an end of a week occurring wherein the xAgent~~

Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

places orders accumulated by during the end of the week, and a bargaining price set by the user is being found.

15. The method of claim 13, wherein:

the step of entering the product information includes using the keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

16. The method of claim 13, wherein:

the step of entering the product information includes using a scanner in the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

18. (Once amended) A method for ~~approving a transaction request~~ self-checkout between an electronic point of sale transaction system and a portable electronic authorization device carried by a user, comprising the steps of:

entering product information at the portable electronic authorization device;

establishing communication link between the electronic point of sale transaction system terminal and the portable electronic authorization device;

receiving at the portable electronic authorization device a first digital data

representing the transaction request;

providing information to the user regarding an ability to approve the transaction request;

when the transaction request is approved by the user, encrypting transaction approval data as second digital data representing approval by the user to purchase the item; and
Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

transmitting the second digital data to the electronic transaction system to approve the transaction request with the electronic transaction system; and
printing a receipt at a remote printer.

19. The method of claim 18, wherein:

the step of encrypting the approval data is performed using a public key cryptography technique using at least a user's private key.

20. The method of claim 18, wherein:

the step of entering the product information includes using a keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

21. The method of claim 18, wherein:

the step of entering the product information includes using a scanner of the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

22. The method of claim 18, wherein:

the step of printing the receipt step includes establishing a connection between the portable electronic authorization device and the printer.

23. The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering printer identification information into the portable electronic authorization device.

24. The method of claim 22, wherein:

Serial No.: 09/260,384

PATENT

Attorney Docket No. WANGP005

the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering subscriber identification information into the printer.

25. The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is via infrared.

26. The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is via short range RF.

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